

Title: Used Old Corrugated Cardboard Recycling

Installation: Redstone Arsenal, Alabama

POC: Ken Hewitt, REM, (256) 955-7110

Mission Benefits: A recyclable commodity is being collected and removed from the solid waste stream to reduce disposal costs; and is being sold to paper mills with the money returned to the Arsenal through the Garrison Qualified Recycling Program.

Cost Benefits: About 16,000 pounds of cardboard has been baled and recycled on Redstone Arsenal since May 2004. The Garrison expects to sell 30 bales of cardboard per quarter for about \$6,000 per year in FY 05.

Environmental Benefits: A valuable item is now being recycled that otherwise would have been disposed of at a cost to the government as a waste material.



Photo by Ken Hewitt

A finished 1,200 pound bale of cardboard is produced from collecting loose cardboard sheets throughout the Arsenal.

Description: The base operations contractor makes regular scheduled visits to 25 containers positioned at various locations on Redstone Arsenal to empty them of used old corrugated cardboard. Cardboard of all size is broken down from discarded boxes and pushed through the collection container's 8-foot slot. The loose cardboard sheets are taken to Building 5669 and consolidated and compacted into 1,200 pound bales. The Garrison currently processes about 10 cardboard bales a quarter, but our goal is to produce 30 bales a quarter through fielding more cardboard containers.

Cost: \$34,000

Regulatory Drivers: Executive Order 13101

Lessons Learned:

1. Handling loose cardboard inside a 9 cubic yard container is labor intensive.
2. Steel-framed cardboard container roll in carts used to collect loose cardboard were too heavy to be moved in the field without the use of a forklift.
3. Best to retrieve the whole container and empty it at the recycle center than to remove the loose cardboard at the building collection point using a flat bed truck and forklift.
4. Completed cardboard bales may be placed outside up to 3 months in open storage and still retain its recyclable value.

Point of Contact:

Installation POC: Ken Hewitt, Directorate of Environment and Safety, (256) 955-7110,

kenneth.hewitt@redstone.army.mil

Vendor POC: Marilyn Faber, Pro-Tainer, Inc., P.O. Box 427, Alexandria, MN 56308, (800) 248-7761, GSA Contract # GS07F-9978H; GS-30F-1034D

Website for More Information: <http://www.protainer.com>